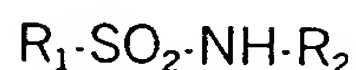


What is claimed is:

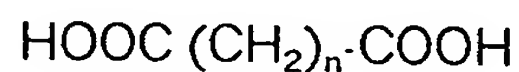
1. An electroconductive resin composition, comprising
- (a) 40-70 % by weight of semi-crystalline polyamide resin;
  - (b) 15-40 % by weight of thermoplastic elastomer grafted with 0.5-2.0 %  
5 by weight of maleic anhydride;
  - (c) 9-20 % by weight of carbon black powder;
  - (d) 1-10 % by weight of sulfonamide based material, represented by the  
following formula 1; and
  - (e) 0.001-0.02 % by weight of dicarboxyl based material, represented by  
10 the following formula 2.

Formula 1



(wherein,  $R_1$  and  $R_2$  are selected from the group consisting of alkyl, benzyl, phenyl, alkylphenyl and dialkylphenyl, wherein the alkyl is  $C_nH_{2n+1}$  ( $n \leq 8$ ))

15 Formula 2



2. The composition as defined in claim 1, wherein the polyamide resin is selected from the group consisting of polyamide-6, polyamide-66, polyamide resin copolymers thereof, or mixtures thereof, and has a relative viscosity of 2.8-3.5.
- 20 3. The composition as defined in claim 1, wherein the carbon black is selected from the group consisting of furnace black, Ketjen black, acetylene black and thermal black, and has a specific surface area (BET) of 500  $m^2/g$  or more and an oil absorption (DBP) of 200 ml/100 g or more.
4. The composition as defined in claim 1, wherein the sulfonamide based material

of the formula 1 is selected from the group consisting of N-propyl benzene sulfonamide, N-butyl benzene sulfonamide, N-hexyl benzene sulfonamide, N-octyl benzene sulfonamide, N-phenyl benzene sulfonamide, N-dimethylphenyl benzene sulfonamide, N-isopropylphenyl benzene sulfonamide, N-butylphenyl benzene sulfonamide, N-methyl methylbenzene sulfonamide, N-ethyl methylbenzene sulfonamide, N-butyl methylbenzene sulfonamide, N-butyl butylbenzene sulfonamide, N-butyl isopropylbenzene sulfonamide, N-butyl butylbenzene sulfonamide, N-phenyl methylbenzene sulfonamide, N-dimethylphenyl methylbenzene sulfonamide, N-isopropylphenyl methylbenzene sulfonamide, or mixtures thereof.

5. The composition as defined in claim 1, wherein the thermoplastic elastomer is selected from the group consisting of polyethylene, polypropylene, polybutene, polyisoprene ethylene-propylene rubber, ethylene-propylene-diene rubber, ethylene-butene rubber, ethylene-octene rubber, ethylene-acryl rubber, styrene-ethylene-butylene-styrene copolymer, or mixtures thereof.

6. The composition as defined in claim 1, wherein the relative viscosity of the semi-crystalline polyamide resin is measured for a solution of 1 g of resin in 100 ml of 96 % sulfuric acid with Ubbelohde viscometer.

7. The composition as defined in claim 1, wherein the dicarboxyl based material of the formula 2 has an n-value ranging from 1 to 20.

8. A molded product for a motor component prepared from the resin composition of any of claims 1 to 7.

9. The product as defined in claim 8, wherein the motor component is a fuel filter housing or a fuel line.